

A Study in Database Driven Web Development through the Creation of the BSU ACM Website

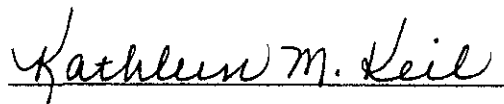
<http://www.cs.bsu.edu/~acmdev>

an Honors Thesis (HONRS 499)

by

Andrew Neville

Thesis Advisor
Kathleen Keil

A handwritten signature in cursive script, reading "Kathleen M. Keil", is positioned above a horizontal line.

Ball State University
Muncie, Indiana

May 2004

Graduation: May 2004

Topic:
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Author:
Date:
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Abstract

In the last few years, dynamic web design has started to become the norm on the Internet. Having the skills to create an effective dynamic website is essential for any up and coming web developer. This project is intended to help me learn those skills and the concepts behind them. A major portion of the project is a dynamic database driven website created for the Ball State University ACM. The other portion is an analysis of the process in which the creation of the site took me through. This includes what was required, problems encountered, and what was learned from each of what I consider to be the three steps in dynamic website construction, design, development, and coding. Also included are early rough draft site designs, a database design schema, and site structure chart.

Acknowledgements

-I would like to thank Mrs. Kathleen Keil for advising on this project. She was extremely helpful with design ideas and brainstorming features

-I would also like to thank ACM President Trey Gourley for his cooperation and support in the creation of the site

-Lastly I would like to thank John Neireiter for his proofreading and editing work.

In today's wired world, a presence on the web can be the key to accessing millions of customers. Everyone on the web is trying to sell something. Some are selling a good or service, some themselves or their organizations, and yet others are simply trying to get the viewer to buy into the idea that the information or data they provide is true and accurate. But no matter what you are selling, the key to doing it successfully is to provide a website that makes people want to return.

Dynamic Database Driven Websites

One of the most common ways of getting people to return to a website is to have consistently fresh and new content. This is where the use of tools like database technology and dynamic server side scripting languages such as ASP and PHP can make the world a whole lot easier for the web designer.

Keeping a website updated with fresh and new content does not necessarily in itself require these tools. For many basic websites, updating can be as simple as changing a few lines of text on a page. Consider this: What if one simple update of a site required the changing of data not on one simple page, but on hundreds or thousands of pages? The task of updating the site by hand just became a huge hassle. This is where a dynamic database driven web design comes in.

Dynamic websites do not have all hard coded pages. The majority of their pages are instead created on the fly as the user requests them. Therein lies the biggest difference between dynamic websites and static websites. A static page holds the data that is to be shown to the user, while a dynamic page holds the information on where to retrieve the data. For example, someone's static personal website may have their name and address in the lower right corner on each page, so they can be contacted if need be.

What if that person's address changed? He/She would be forced to go into every page on their site and change the address listed. In a dynamic website, every page would pull that address from a database or file and display it each time a user requested a page. Updating the address is as simple as going into the database or file and changing it there. Then each subsequent time a page tries to get that information, it will contain the new updated address. This is an overly simplified example, but it shows in clear-cut terms just how advantageous dynamic websites can be.

My Creative Project

For my creative project, I chose to do a case study in dynamic database design through the creation of a website for the Ball State student chapter of the Association of Computer Machinists (ACM). Through this study I wanted to learn the basic principles in the design, development, and programming of a dynamic database driven website. In the end, I wanted to have knowledge of how to effectively create this type of system, and also have a website for the ACM that could be easily maintained and updated.

Target Audience

The target audience for this project is for the most part the ACM student members here at Ball State. The site's audience could also include alumni, faculty, potential students, national ACM members, and others simply interested in the organization. My intention was to design the site so that computer savvy people would find it appealing, but the lay person would not find it too complex and shy away.

The Process

As I stated before, for this project I wanted to focus on the three major steps in the creation of a dynamic database driven website: design, development, and programming. For each phase I would like to go through a little bit of what was involved, how I went about doing it, some of the problems I encountered, and what I learned from the process.

Design

The design process for a web development project, such as this one, is an always-changing entity. Throughout the entire project creation you are constantly making changes to the design and tweaking it to make it just a little bit better. The design process for this particular project really can be broken down into two parts: the look and layout of the site, and then the features it contains.

The design of the look and layout of the site is of considerable importance when trying to create a successful website. If your design is too basic, you may not be able to show all of the information you need. If your design is too complex, viewers might be confused and turned away. The trick is instead to find a place somewhere in the middle, something complex yet easily understood. As I learned, this is not always an easy thing to achieve.

I started my design process by sketching rough draft mock-ups of the site on scratch paper. I have included these designs in my project submission. Early on, my ideas were very basic and did not have any creativity to them. As I started to settle more and more on elements of the design I liked, the page really started to come together. By the completion I feel as though I came out with a design that is both creative and usable.

The design specifically entails a logo on the top, with a menu navigation system directly below it. That header is the same on every page, giving the user a common interface in which to operate under. Under the header is each page's individual contents, centered in the user's screen. On each side of the contents, there is a dark grey shaded area. While this area may at first seem of very little importance, it actually plays a vital role in the design.

When a website is viewed, the designer knows little about the environment it is being viewed in. One of the major obstacles to any web design is the way it looks on a monitor in different screen resolutions. The dark grey shaded area in my design expands and contracts based on the viewer's screen resolution, allowing the design to stay the same no matter what resolution it is viewed in.

The second major portion of the design of the system was deciding on the features it would include. Dynamic scripting languages allow for a plethora of features to be added to a website. Through discussions with the ACM officers, I settled on a few features that I thought would not only be extremely useful to the organization, but also help me learn the most as well.

The first feature I chose to add was a news section. The news section allows for the ACM officers to post relevant news directly to the front page of the website. My goal was for no HTML coding to be necessary. All the officer would have to do is enter some information into a form and press a submit button, and the information would be posted.

The second feature was an events calendar. This operates in a similar manner to the news section. Again I wanted no HTML coding to be necessary. Instead, the

information could be submitted via a form, and the corresponding date would be highlighted in the calendar.

The third feature I chose was a mailing list. This is a simple concept, allowing the user to enter an email address and click the submit button. Their email address is then added to a list in the database, and they will receive subsequent ACM mailings.

The fourth and final dynamic feature I chose to add was an administration section. This feature was absolutely necessary to control who posts new events, news, sends out mail to the ACM mailing list.

All four of these features are common to dynamic database driven websites. Each one uses a table in the database to store information when it is submitted, and then retrieves it each time a page is accessed.

Throughout the entire design process, I learned one very important concept: no design is ever perfect and complete. There is always someone who thinks that the design would look better another way. There is also room for improvement, no matter how nice the initial design is. Even as I left the design phase and entered the other two phases, I was constantly going back and working on the design, trying to make it look just a little bit better.

Development

What I consider to be the development phase of this project is the setup of the site structure and database. The site structure I chose is nothing all that special or innovative. When the mouse is hovered over the menu at the top of the screen, that section is expanded giving more page options. I have included a site structure chart along with my project submission.

The design of the database was something that took a little more time. A database consists of many tables, each of which has fields (or columns) inside of them. Without getting too technical, I had to design each table and the fields that it would contain, including their data types and lengths. I spent quite a bit of time studying different data types and how best to optimize the retrieval speed of the database access.

The database program I chose was MySQL. While there were other options out there I could have used, MySQL is a free database program, and it is also offered by the Computer Science Department to any CS organizations or students who want database access. Since I had never used MySQL before, getting acquainted with its commands took some research on my part.

Coding/Programming

The third and final stage of this database driven website's lifecycle was the actual coding of the dynamic pages. The creation of a dynamic website can be done in a variety of languages including ASP, PHP, JSP, PERL, and others. In the development of most dynamic sites the designer has a choice of which scripting language to use. Because the ACM website that I am creating will be on a CS server that only supports PHP, it was my only language that was feasible.

Many of the specific coding techniques I used are beyond the scope of this analysis, but there is one in particular that I would like to mention. It is inevitable that someday the ACM will want to add new pages onto this site that I have created. To make this job easier, I created functions that can be called to create the shell of the

webpage, called `top()` and `bottom()`. They can be used in the following manner:

```
top( );  
//information you want displayed on the page, can be dynamic or static  
bottom( );
```

By calling the corresponding functions before and after your page information, the new designer will place his information in a template that will give it the same look as all of the rest of the pages on the site.

In almost all programming, you run into many problems and hang-up points along the way. While I had my fair share of those during the programming process, I was able to find solutions or workarounds to all of them. As I worked through the coding process, I quickly learned to effectively code in PHP. Being new to the language, my first attempts resulted in inefficient code that I ultimately went back and replaced.

An Easily Maintainable Site

Not only did I choose this project to teach myself dynamic database driven web design, but, in the end, I also wanted the website to be something that could be easily maintained in the future by other ACM members. One way this can be achieved is through the creation of the `top()` and `bottom()` functions, which I have already mentioned. I also provided complete documentation within the code itself (known as commenting in the CS realm). This documentation should help anyone who seeks to modify the code in the future to better understand it. Along with the documentation, I also had a meeting with the ACM officers and gave them a demo of the site and how to maintain it. I feel as though where I have left the site allows for someone with prior knowledge of PHP and MySQL to come right in and make any adaptations or additions they wish.

Personal Thoughts

Overall, this project has taught me an incredible amount about dynamic database driven web design. I learned an entirely new language, PHP, and a new database administration program, MySQL. PHP is an amazing language. It has many nice features that are included, and I would recommend it to anyone interested in dynamic web design. I also think MySQL is a tremendous free database tool. It already has become one of the industry standards and I can see why.

While PHP and MySQL are great things to know, I think the biggest thing I will take away from this project is the overall process that dynamic web design includes. I learned exactly what goes into a website that could be considered minute when compared to some others such as Yahoo! or Amazon.com. I designed everything on this site from the layout to the graphics to the code. There is a tremendous amount of detail that goes into each one of these things that I did not imagine. The best part about these concepts that I learned is that they go beyond PHP and MySQL. They can be applied to any of the web scripting languages and any of the database administration tools. I learned concepts that I can carry far beyond just the life of those two tools.

Conclusion

Through the creation of the Association of Computer Machinists website, I have learned how powerful dynamic database driven websites can be. The Internet has not yet even reached its stride as an information medium. In the future, I see dynamic websites and dynamic web design becoming more and more of the rule on the Internet. The skills I have acquired in this project definitely give me a jumpstart into what I believe will be the wave of the future on the Net.

Bibliography

Converse, Tim, and Joyce Park. PHP Bible. Indianapolis, Indiana: Wiley Publishing, 2002.

Dyer, Rusell J.T. Adding & Changing Data in MySQL. March 2004. Unix-Review. <<http://www.unixreview.com/documents/s=8989/ur0403k/>>.

MySQL, Official Site. <<http://www.mysql.com>>.

PHP, Official Website. <<http://www.php.net>>

Powell, Thomas A. The Complete Reference: Web Design. Berkeley, CA: McGraw Hill/Osborne, 2002.

Tips, Tricks, How-To, and Beyond. <<http://www.tips-tricks.com/>>.

Thibodeau, Serge. How to Optimize a Dynamic Web Site. 13 May 2003. Internet Search Engine Database. <<http://www.isedb.com/news/index.php?t=reviews&id=211>>.

Ullman, Larry. PHP and MySQL for Dynamic Web Sites: Visual Quickpro Guide. Berkeley, CA: Peachpit Press, 2003.

Yohng, George. Accessing MySQL from PHP. <<http://www.yohng.com/phpm/phpm.htm>>.

Rough Draft Site Design Mock-ups

Bkt STATE ACM

Menu

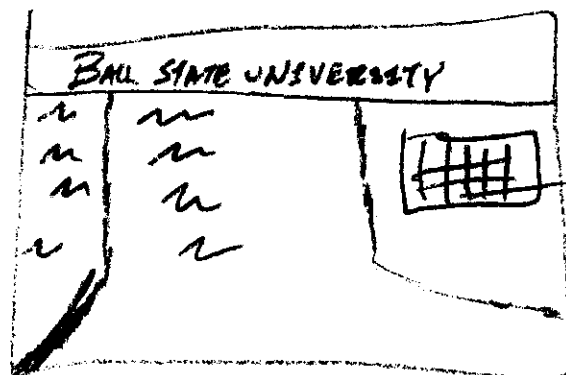
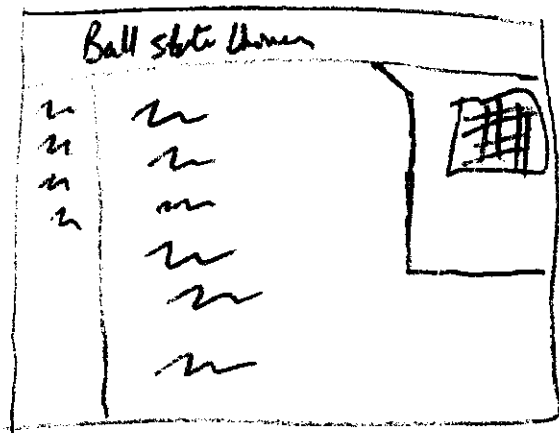
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Latest News

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Upcoming Events

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LOGO

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Latest News

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2.8.04 News Item
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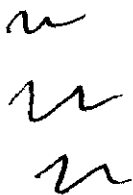
Calendar

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ACM

LOGO

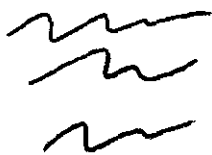
Menu



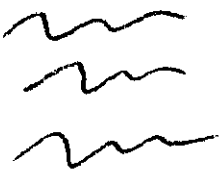
Mailing List



Latest News



2.12.04 News



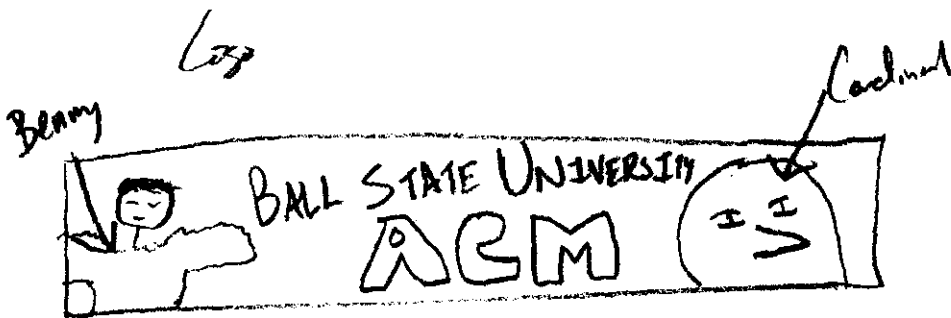
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Cool Things  
to add to  
site

Picture Gallery  
Calendar  
Mailing List





# ~~BSW~~ ACM

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## News

3.10.06

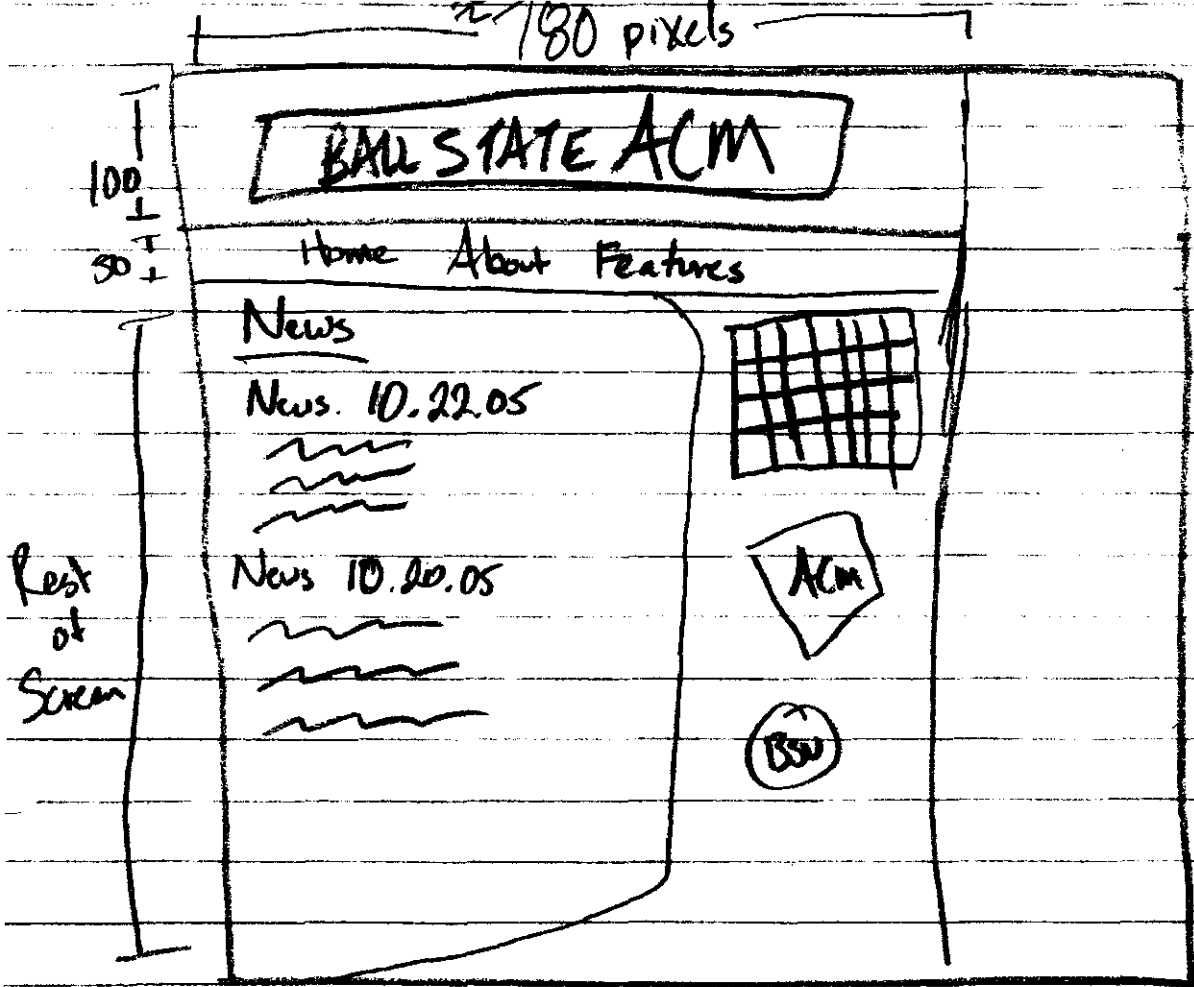
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3.09.06

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List

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Database Design

Database Schema

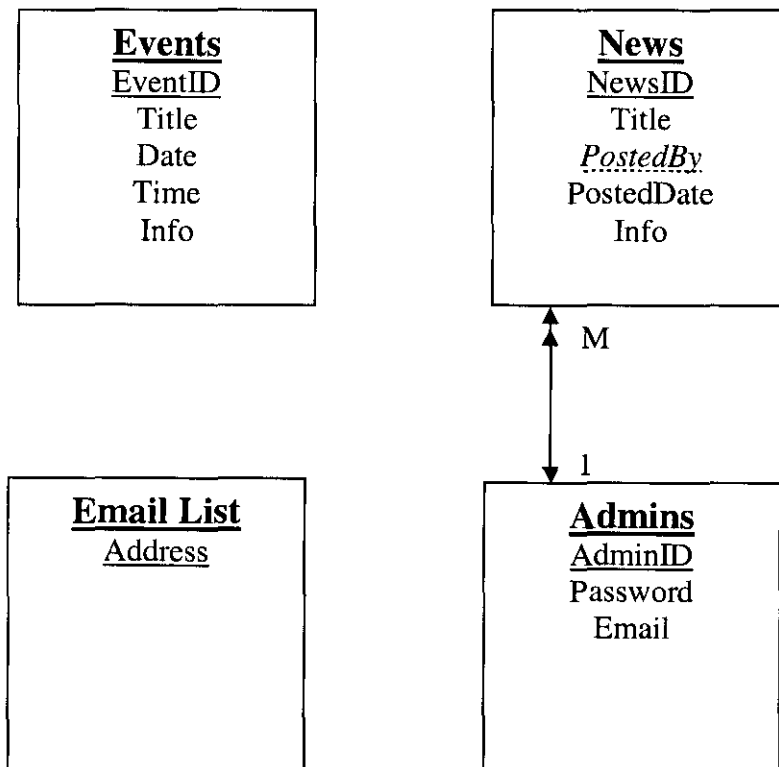
Events(EventID int(6) Primary Key,
Title varchar(255),
Date date,
Time varchar(20),
Info longblob);

News(NewsID int(6) Primary Key,
Title varchar(255),
PostedBy varchar(15) Foreign Key,
PostedDate int(20) ,
Info longblob);

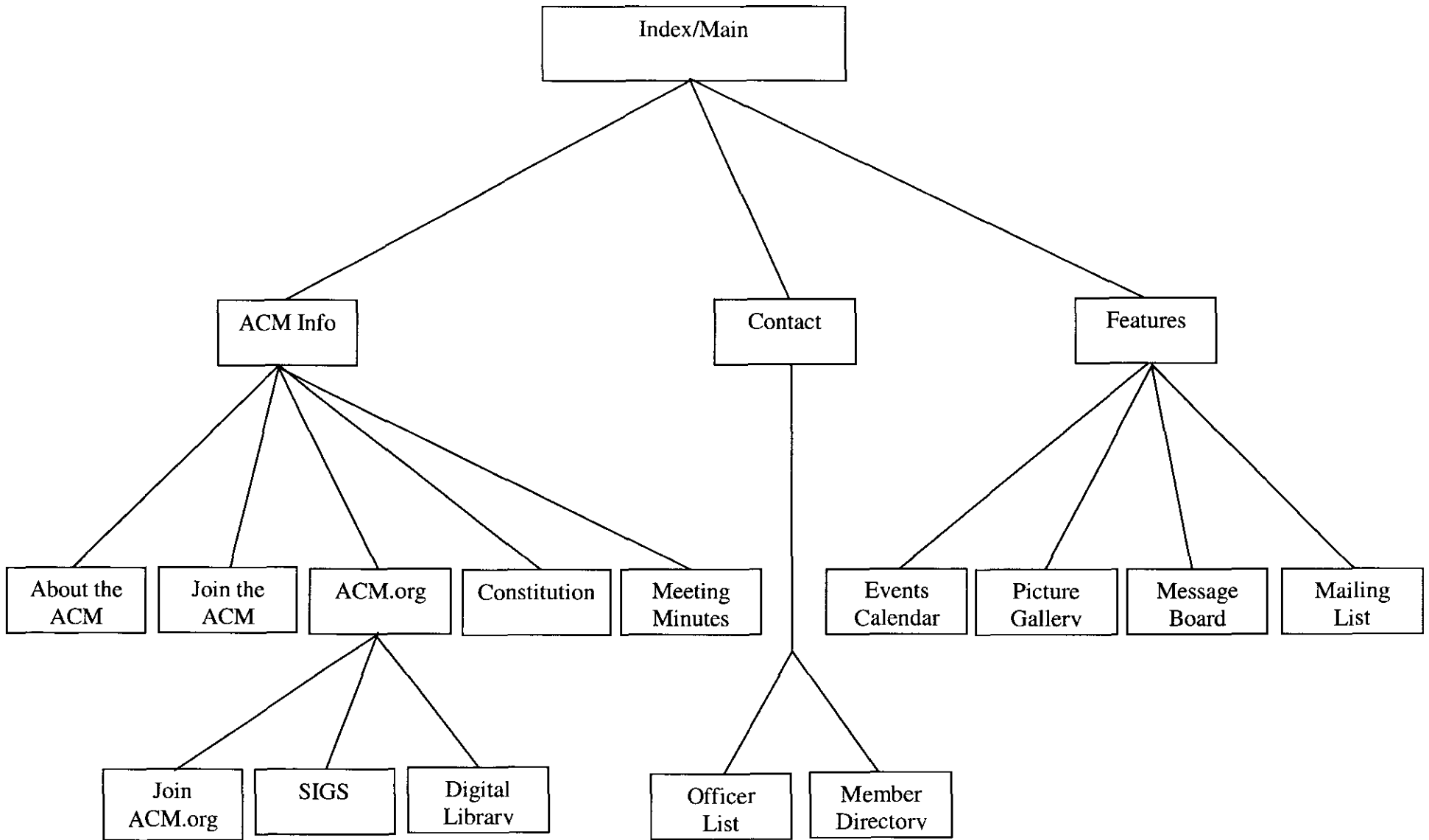
EmailList(Address varchar(40) Primary Key);

Admins(AdminID varchar(15) Primary Key,
Password varchar(50),
Email varchar(40));

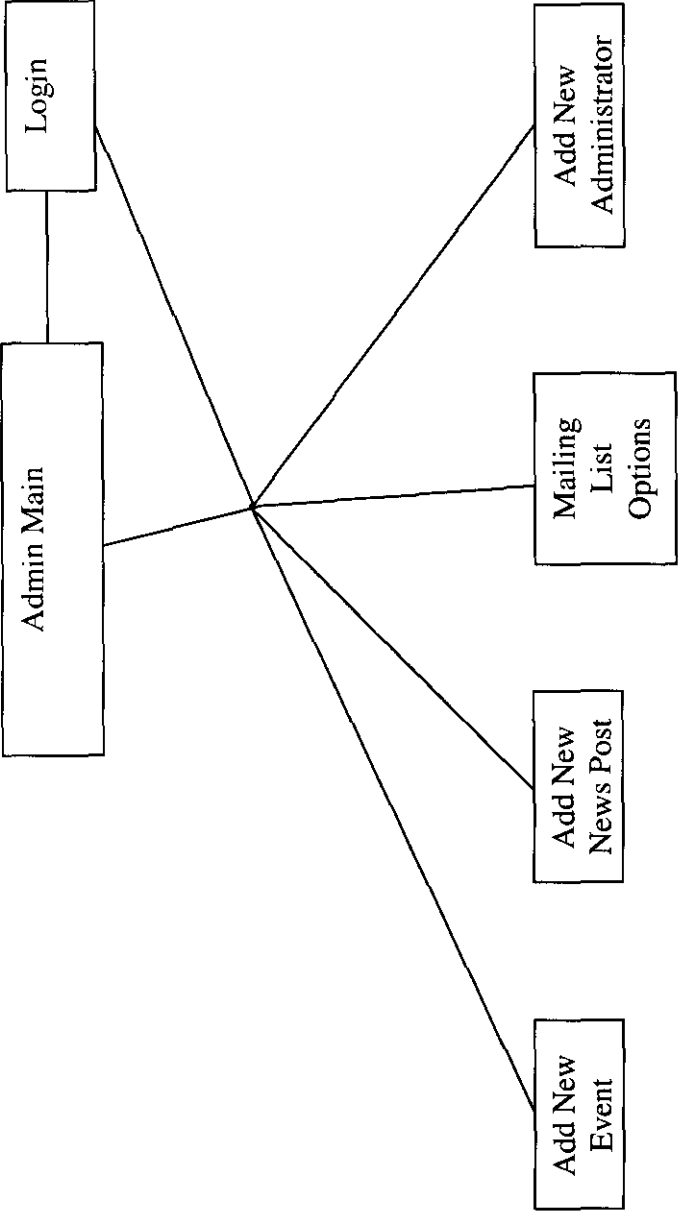
Database Layout



Site Navigation Structure Chart



Administration Section



Site Screenshots

Special Note: Due to the nature of this project, I will be handing over control of the website to the ACM once this thesis has been submitted. I have included as many screenshots as possible in order to show exactly what the site looked like upon my completion.

Andrew Neville

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LATEST NEWS

ACM General Meeting

--Posted by [ameville](#) on 5.4.2004 at 1:40am

This meeting will be the spring elections for Ball States ACM. The positions that are available are president, vice-president, and secretary/treasurer. The secretary/treasurer position is stated in the constitution as one person, but the position has been held by two people before. I would also like to elect a chair position to oversee the ACM coding contest for 2004. This position would last until November and would be in charge of handling details regarding the Ball States participation in the coding contest.

Last LAN Party of the Year

--Posted by [ameville](#) on 5.4.2004 at 1:39am

This is back by popular demand. This will be the last official ACM event for the Spring Semester. If you are interested in attending please reply to this email. If you know someone who may be interested, forward this email to them. There will be pizza and pop. Bring \$5 just in case we have to buy huge amounts of food. Games of choice: Enemy Territory, Unreal Tournament, and you may talk me into playing some StarCraft.

As always, if you have any questions please email me at acm@cs.bsu.edu or go to the message board at <http://cs.bsu.edu/~acm/board>.

ACM Spring LAN Party

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UPCOMING EVENTS

< May 2004 >

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--Posted by [arnaville](#) on 5.4.2004 at 1:38am

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**Association of Computer Machinery**
Founding 1947

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**About the ACM**

The ACM was founded in 1947 as the society of the computing community. The purposes of the Association, as stated in the ACM Constitution, are:


1. To advance the sciences and arts of information processing including, but not restricted to, the study, design, development, construction, and application of modern machinery, computing techniques and appropriate languages for general information processing, for scientific computation, for the recognition, storage, retrieval, and processing of data of all kinds, and for the automatic control and simulation of processes.
2. To promote the free interchange of information about the sciences and arts of information processing both among specialists and among the public in the best scientific and professional tradition.
3. To develop and maintain the integrity and competence of individuals engaged in the practices of the sciences and arts of information processing. [Constitution of the Association for Computing Machinery, Article II]

Since its formation, the Association for Computing Machinery has provided over a quarter of a century of service to the computing professional in the development of computer science, curricula for educational programs in computing, a code for professional conduct, and defining and explaining the role of computers in modern society. ACM keeps both its members and the general public informed on current happenings in computing and computer science by publishing over twenty journals, many newsletters, monographs, and sponsoring numerous meetings regularly organized on topical, regional, and/or national bases.

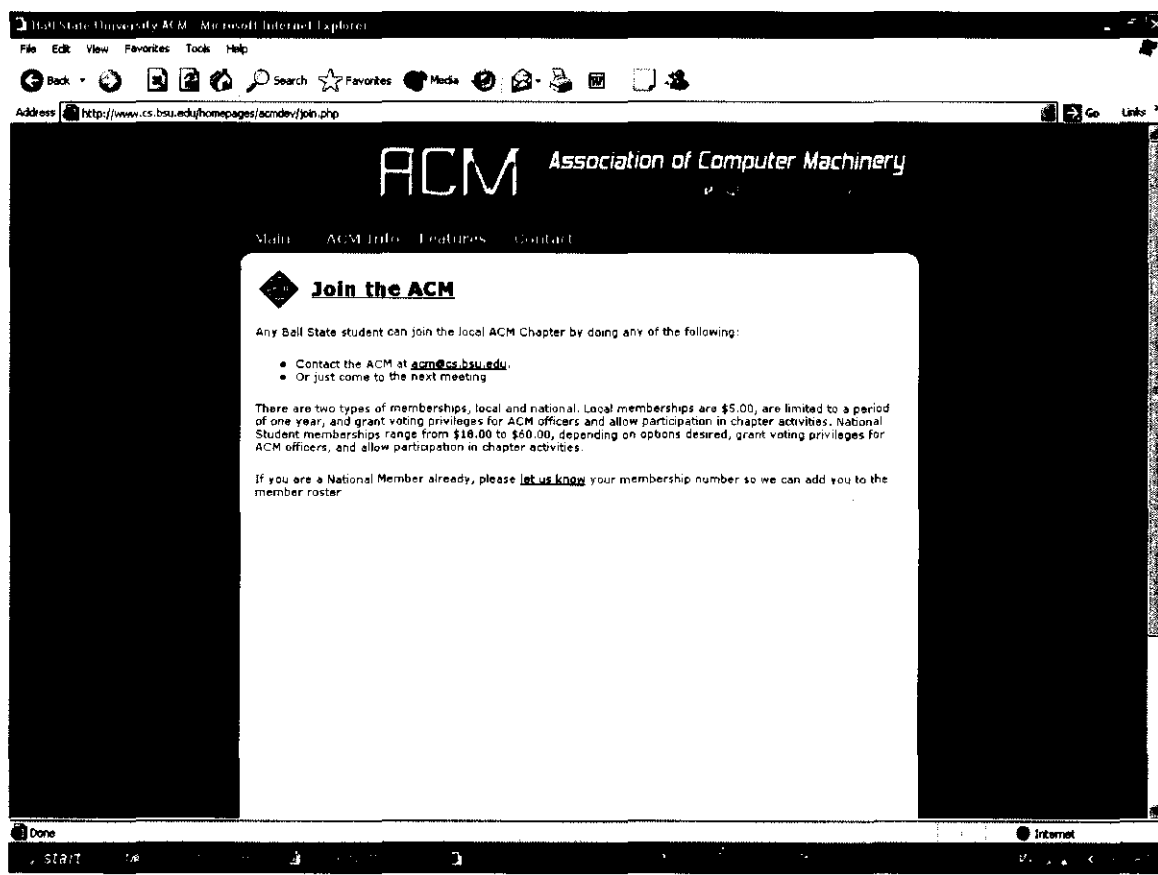
The ACM today has more than 65,000 members. Thirty-two special interest groups and technical committees such as SIGPLAN (the Special Interest Group of Programming Languages), AdaTEC (technical committee on the new language, Ada) and SIGGRAPH (Special Interest Group on Computer Graphics), serve the particular interests of ACM members and others in many areas of computer science and technology. Over 100 local chapters serve the needs of members at the local level throughout the world. Approximately 13,000 students participate in the activities of the Association, many through the activities of student chapters in over 400 colleges and universities worldwide.

ACM Membership

ACM membership is comprised of professionals in the computing field concerned with management, programming, systems design, systems engineering, research, education, consulting, operations, sales/marketing, publication, personal computing, computer-assisted instruction, artificial intelligence, other

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Constitution

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Constitution

**Constitution of the
Ball State University Student Chapter
of the Association For Computing Machinery**

(OCTOBER 1974)
(Amended MAY 1999)

ARTICLE I: Name

Section 1: This organization shall be called the Ball State University Student Chapter of the Association for Computing Machinery.

ARTICLE II: Purpose

Section 1: The Chapter is organized and will be operated exclusively for educational and scientific purposes and in furtherance thereof.

- a. To promote an increase of knowledge in the areas of science, design, development, construction, languages, and in the area of applications of modern computing machinery.
- b. To promote an increase of interest in computing machinery and its applications.
- c. To provide a means of communication between persons sharing a common interest in computing machinery.

ARTICLE III: Membership

Section 1: Regular Membership in this Chapter shall be limited to all Members, Associate Members, and Student Members of the ACM who are students, faculty, or staff of Ball State University and who also meet any further qualifications that may be specified in the Bylaws. Regular Members are entitled to vote.

Section 2: Associate Membership in this Chapter shall be limited to all Members, Associate Members, and Student Members of the ACM who are residents of the area serviced by Ball State University and who also meet any further qualifications that may be specified in the Bylaws. Associate Members are entitled to vote.

Start 100% Internet

Events Calendar

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Main ACM Info Features Contact

Events Calendar

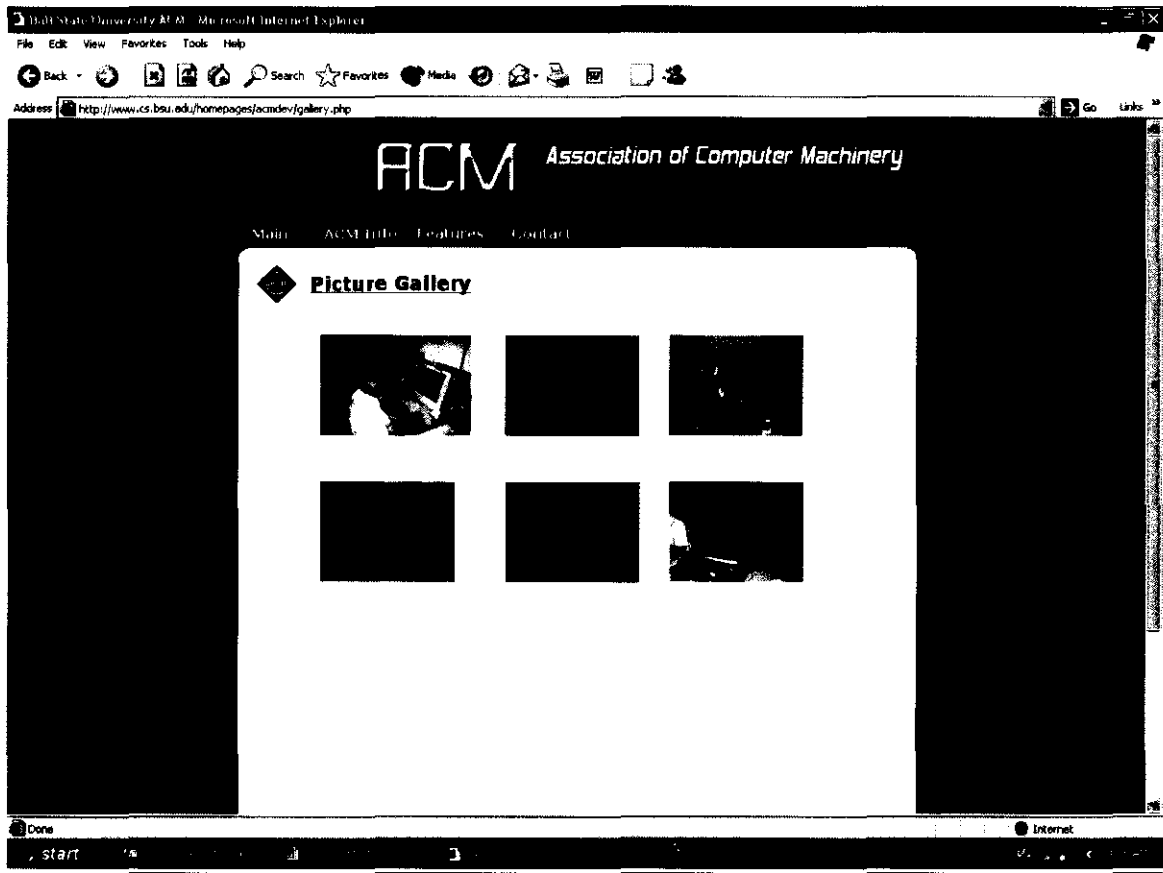
< May 2004 >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Done Internet

start

Picture Gallery



Mailing List

Ball State University ACM - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print View Source

Address <http://www.cs.bsu.edu/homepages/acmden/maillinglist.php> Go Links

ACM

Association of Computer Machinery

Home ACM Info Features Contact

ACM Mailing List

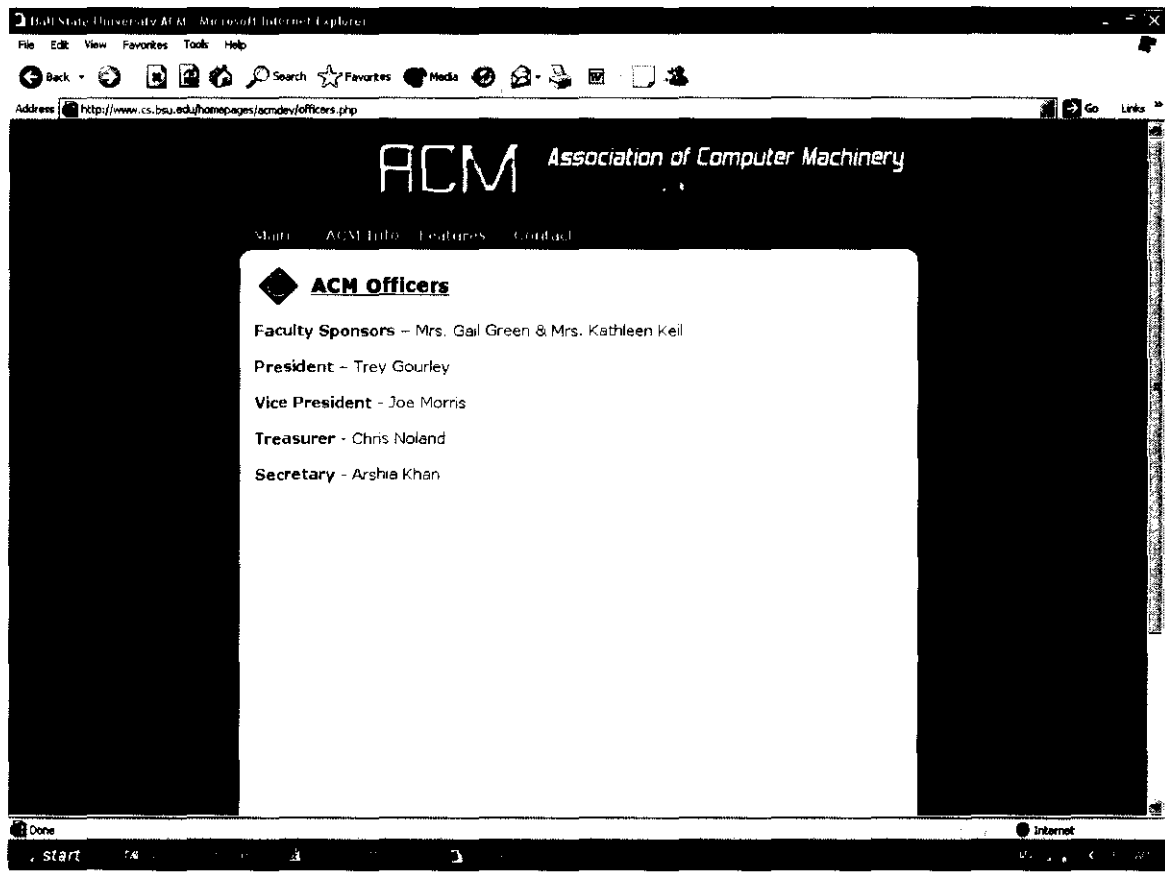
Subscribe/Unsubscribe to the ACM Mailing List

Submit

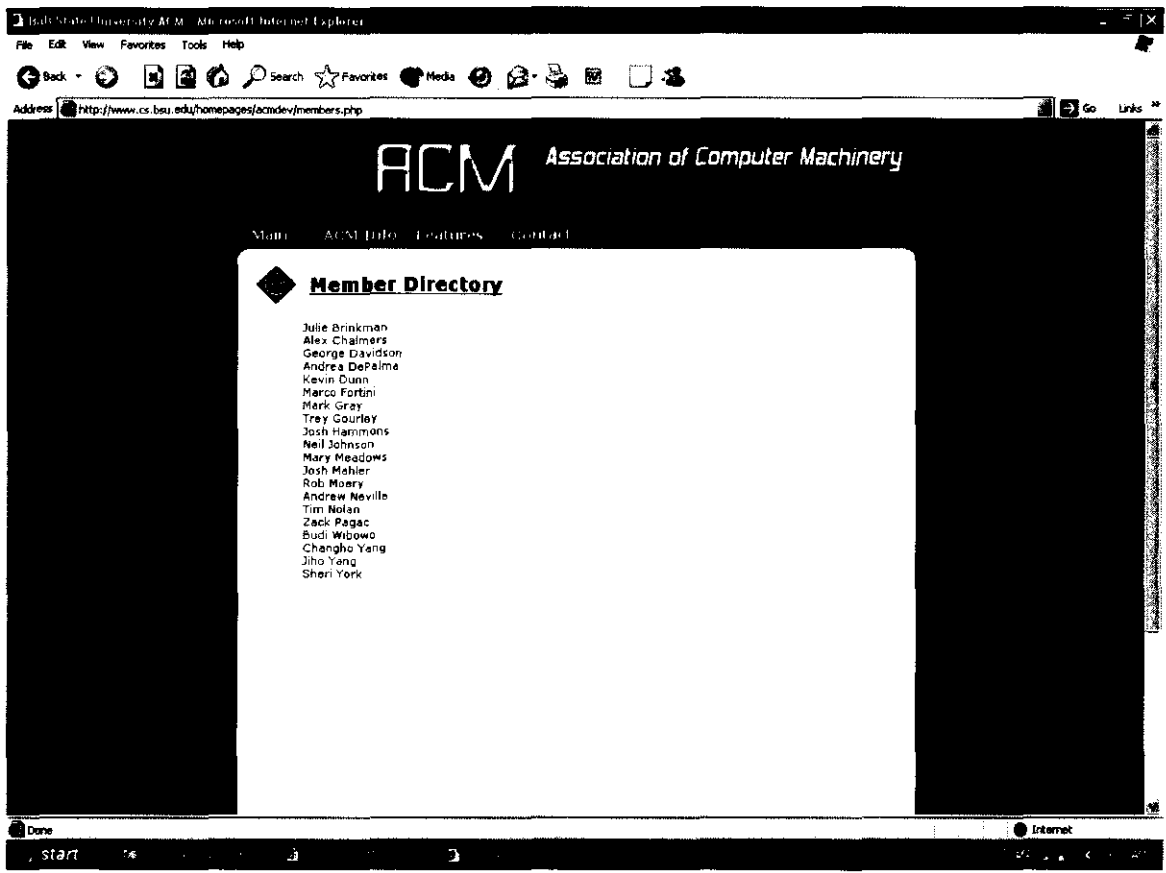
Done Internet

start

Officers



Member Directory



Administration Login

Ball State University | 2001 | Microsoft Internet Explorer

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Address http://www.cs.bsu.edu/homepages/scndev/login.php

Go Links

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Administration

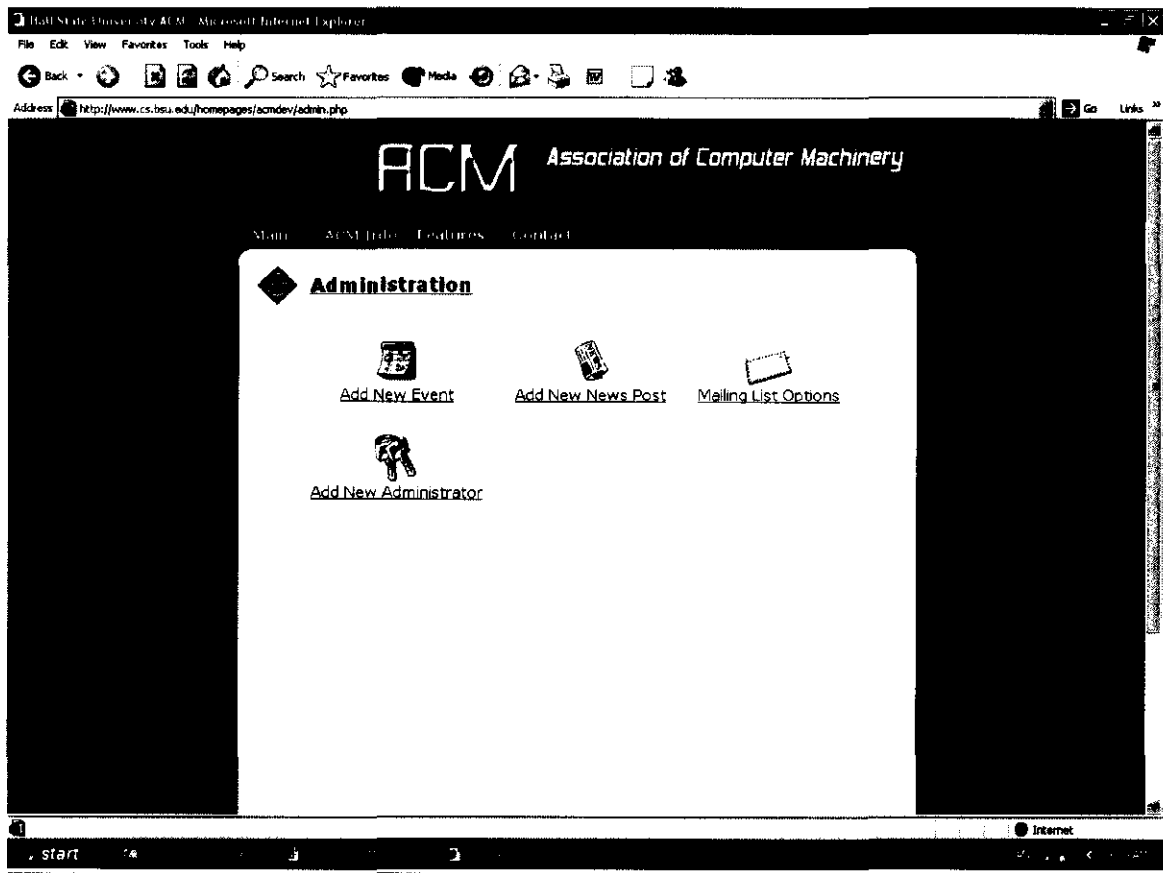
Please Login...

Username:

Password:

start Internet

Administration Home



Add New Event

Ball State University ACM - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address <http://www.cs.bsu.edu/homepages/acmder/addevent.php> Go Links

ACM


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Add New Event

Please Enter the Event Information...

Title:

Date: 

Time:

Information:

Add New News Post

Ball State University ACM - Microsoft Internet Explorer

File Edit View Favorites Tools Help


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Address <http://www.cs.bsu.edu/homepages/acmdev/addnews.php> Go Links

ACM

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Home ACM Title Features Contact



Add New News Post

Please Enter the News Post Information...

Title:

Information:

Done Internet

start

Mailing List Administration

Ball State University A.C.M. Microsoft Internet Explorer


File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print View Source

Address http://www.cs.bsu.edu/homepages/acmdev/adminmail.php Go Links

ACM Association of Computer Machinery

Home ACM Info Features Contact Us

 **Mailing List Administration**

View Mailing List
To view the current ACM Mailing List
[Click Here](#)

Send Mail to the ACM Mailing List
Subject:
Body:
[Send Mail](#)

New Administrator

Ball State University ACM - Microsoft Internet Explorer


File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print View Source

Address <http://www.cs.bsu.edu/homepages/acmdev/newadmin.php> Go Links

ACM Association of Computer Machinery

[Home](#) [ACM Info](#) [Features](#) [Contact](#)



New Administrator Creation

Please Enter New Administrator Information

Username:

Password:

Confirm Password:

Email Address:

Done Internet

start

Code for Dynamic Portion of the Website

```

<?
/*
Name: AddEvent.php
Function: Allows for a user to add an event to show be show in the
calendars within the site

*/

include_once("../includes/var.php");

//checking for authentication
if ($_SESSION['userID']!="")
{
    Header("Location: login.php");
}

else
{
    top();

    //if stuff has been posted, then process, else show form
    ?>

<!--text for main
cell-----
-->
<div style="position:absolute; width:655px; top:0px;text-align:left;"
class="text">
<div style="margin-left:15px; height:700px; ">
<br>
<table valign="center">
<tr><td style="padding-right:10px;"></td>
<td><span class="title">Add New Event</span></td></tr>
</table>
<BR>
<?
if($_POST['success']=="submitted")
{

$title=$_POST['Title'];
$date=date_sql($_POST['Date']);
$time=$_POST['Time'];
$info=$_POST['Info'];

    $info = ereg_replace("\n", "<br>", $info);
    $info = ereg_replace("\r", "", $info);

    //getting news information
    $generate = "INSERT INTO Events (Title,Date,Time,Info) VALUES
('$title','$date','$time', '$info')";

    $db = mysql_connect($dbHost, $dbUser, $dbPass);
    mysql_select_db($dbName, $db);
    mysql_query($generate, $db);

    echo "<span class=\"posted\">Event Successfully Added</span>";

```

```

}
else
{
?>

<!------->
<table border=0 class="text">
<tr><td colspan=2 style="font-weight:bold">
<center>Please Enter the Event Information...<BR><BR></center>
</td></tr>
<tr><td>
<form name="addevent" method="POST" action="addevent.php">
Title:</td><td><input type="text" name="Title" class="text" size="60"
style="background-color:#CCCCCC;">
</td></tr>
<tr><td class="text">
Date: </td><td><input type="text" name="Date" size="15" class="text"
style="background-color:#CCCCCC;">
<a href="javascript:show_calendar('addevent.Date');"
onmouseover="window.status='Date Picker';return true;"
onmouseout="window.status='';return true;"></a>

</td></tr>
<tr><td>
Time:</td><td><input type="text" name="Time" class="text" size="15"
style="background-color:#CCCCCC;">

</td></tr>
<tr><td>
Information:</td><td><textarea name="Info" class="text" cols="60"
rows="10" style="background-color:#CCCCCC;">
</textarea>
</td><tr>

<tr><td colspan=2>
<br>
<center>
<input type="hidden" value="submitted" name="success">
<input type="submit" value="Submit"></form></center></td></tr>
</table>

<!------->
<?
}
}
?>

</span>
<BR><BR>
</div>
<?
bottom();

?>

```

```

<?
/*
Name: AddNews.php
Function: Allows for a user to add a news post to appear on the front
page
*/

include_once("../includes/var.php");

//checking for authentication
if ($_SESSION['userID']!="")
{
    Header("Location: login.php");
}

else
{
    top();

    //if stuff has been posted, then process, else show form
?>

<!--text for main
cell-----
-->
<div style="position:absolute; width:655px; top:0px;text-align:left;"
class="text">
<div style="margin-left:15px; height:700px; ">
<br>
<table valign="center">
<tr><td style="padding-right:10px;"></td>
<td><span class="title">Add New News Post</span></td></tr>
</table>
<BR>

<?
if ($_POST['success']=="submitted")
{

$title=mysql_escape_string($_POST['Title']);
$date=time();
$postedBy=$_SESSION['userID'];
$info=mysql_escape_string($_POST['Info']);

    //getting news information
    $generate = "INSERT INTO News (Title,PostedDate,PostedBy,Info)
VALUES('$title','$date','$postedBy', '$info');"

    $db = mysql_connect($dbHost, $dbUser, $dbPass);
    mysql_select_db($dbName, $db);
    mysql_query($generate, $db);

    echo "<span class=\"posted\">News Post Successfully Added</span>";

```

```

}
else
{
?>

<!------->
<table border=0 class="text">
<tr><td colspan=2 style="font-weight:bold">
<center>Please Enter the News Post Information...<BR><BR></center>
</td></tr>
<tr><td>
<form name="addnews" method="POST" action="addnews.php">
Title:</td><td><input type="text" name="Title" class="text" size="60"
style="background-color:#CCCCCC;">
</td></tr>
<tr><td>
Information:</td><td><textarea name="Info" class="text" cols="60"
rows="10" style="background-color:#CCCCCC;">
</textarea>
</td><tr>

<tr><td colspan=2>
<br>
<center>
<input type="hidden" value="submitted" name="success">
<input type="submit" value="Submit"></form></center></td></tr>
</table>

<!------->
<?
}
}
?>

</span>
<BR><BR>
</div>
<?
bottom();

?>

```

```
<?
/*
Name: admin.php
Function: This the main screen accessed by admins to perform their
various tasks
```

```
*/
```

```
include_once("../includes/var.php");
```

```
//checking for authentication
if ($_SESSION['userID']== "")
{
    Header("Location: login.php");
}
```

```
else
{
    top();
?>
```

```
<!--text for main
```

```
cell----->
```

```
->
<div style="position:absolute; width:655px; top:0px;text-align:left;"
class="text">
<div style="margin-left:15px; height:700px; ">
<br>
<table valign="center">
<tr><td style="padding-right:10px;"></td>
<td><span class="title">Administration</span></td></tr>
</table>
<BR>
```

```
<!-->
```

```
<center>
<table border=0 class="text" cellpadding="15" style="font-size:11pt;
text-align:center">
<tr>
<td>
<a href="addevent.php"><BR>
Add New Event</a>
</td>
```

```
<td>
<a href="addnews.php"><BR>Add New News Post</a>
</td>
```

```
<td>
<a href="adminmail.php"><BR>
Mailing List Options</a>
</td>
</tr>
<tr>
<td>
```

```
<a href="newadmin.php"><BR>
Add New Administrator</a>
</td>
</tr>
```

```
</table>
```

```
</span>
<BR><BR>
</div>
```

```
<!------->
```

```
<?
bottom();
}
?>
```



```

<?

/*
Name: adminmail.php
Function:  this page handles the mass ACM emails that can sent to the
mailing list contained
in the database

*/

include_once("includes/var.php");

//checking for authentication
if ($_SESSION['userID']== "")
{
    Header("Location: login.php");
}

else
{
    top();
?>

<!--text for main
cell-----
->
<div style="position:absolute; width:655px; top:0px;text-align:left;"
class="text">
<div style="margin-left:15px; height:700px; ">
<br>
<table valign="center">
<tr><td style="padding-right:10px;"></td>
<td><span class="title">Mailing List Administration</span></td></tr>
</table>
<BR>

<!-->
<?
if ($_POST['mailgroup']=='go')
{
    $subject=$_POST['subject'];
    $body=$_POST['body'];

    $mailString="<HTML><BODY>".$body."</BODY></HTML>";

    //getting email list information
    $generate = "select * from EmailList";

    $db = mysql_connect($dbHost, $dbUser, $dbPass);
    mysql_select_db($dbName, $db);
    $result = mysql_query($generate, $db);
    $numrows = mysql_num_rows($result);

    for($i=0;$i<$numrows; $i++)
    {
        $listmember=mysql_fetch_array($result);
        $mailresult=mail($listmember['Address'], $subject,

```

```

$mailString, "MIME-Version: 1.0\r\nContent-type: text/html;
                                charset=iso-8859-1\r\nFrom: Ball
State ACM<acm@cs.bsu.edu>\r\n\r\n");
}

    if ($mailresult==true)
    {echo "Your message was successfully sent";}
    else
    {echo "There was an error in sending your mail...Please Try
Again";}

}
else if ($_POST['getgroup']=='go')
{

    echo '<span class="secondary" style="text-decoration:underline">
ACM Mailing List</span><br><br>';

    //getting email list information
    $generate = "select * from EmailList";

    $db = mysql_connect($dbHost, $dbUser, $dbPass);
    mysql_select_db($dbName, $db);
    $result = mysql_query($generate, $db);
    $numrows = mysql_num_rows($result);

    for($i=0;$i<$numrows; $i++)
    {
        $listmember=mysql_fetch_array($result);
        echo $listmember['Address']. "<br>";
    }

}
else
{
    ?>
    <span class="secondary" style="text-decoration:underline">View
Mailing List</span><br>
    <form method="post" action="adminmail.php">
    <input type="hidden" name="getgroup" value="go">
    To view the current ACM Mailing List
    <br><br>
    <input type="submit" value="Click Here">
    </form>
    <br><br>

    <span class="secondary" style="text-decoration:underline">Send
Mail to the ACM Mailing List</span><br><br>
    <table border=0 class="text">
    <tr>
    <td>
    <form method="POST" action="adminmail.php">
    Subject:
    </td>
    <td>

```

```

        <input type="text" name="subject" class="text" size="60"
style="background-color:#CCCCCC;">
    </td></tr>
    <tr>
    <td style="vertical-align:top">
    Body:
    </td>
    <td>
    <textarea name="body" class="text" cols="60" rows="10"
style="background-color:#CCCCCC;">
    </textarea>
    </td><tr>
    <tr>
    <td colspan=2>
    <br>
    <center>
    <input type="hidden" value="go" name="mailgroup">
    <input type="submit" value="Send Mail"></form></center></td></tr>
    </table>

```

```

<?
}
}
?>

```

```

</span>
<BR><BR>
</div>
<!------->
<?
bottom();
?>

```

```

<?
/*
Name: calendar.php
Function:  this is the smaller calendar on the main page
*/

    include_once("includes/var.php");
?>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<html>
<head>
<title>Ball State University ACM</title>

<style type="text/css">

.title {
    font-family:verdana, arial, sans-serif;
    font-size:10pt;}

.shadedday {
    background-color:#01A0C7;
    padding-left:1px;
    padding-top:2px;
    border-right: 1px solid #000000;
    border-bottom: 1px solid #000000;}

.daybox {
    background-color:#FFFFFF;
    padding-left:1px;
    padding-top:2px;
    border-right: 1px solid #000000;
    border-bottom: 1px solid #000000;}

.calendartext {
    font-family:verdana, arial, sans-serif;
    font-size:7pt;
    text-align:right;
    border-left:1px solid #000000;
    border-top: 1px solid #000000;}

.calendarheader{
    background-color:#DFE0E4;
    text-align:center;
    border-right: 1px solid #000000;
    border-bottom: 1px solid #000000;
    width:14%)

.greyout {
    background-color:#FFFFFF;
    padding-left:1px;
    padding-top:2px;
    border-right: 1px solid #000000;
    border-bottom: 1px solid #000000;}
</style>
</head>
<body style="margin:0px; background-color:#05058D">

```

```

<?php
{

//if a month and year were posted in the query string, we will use those
//otherwise use current month/year
if($_GET['month']=='')
    {$month=date('n');
    $year=date('Y');}

else
    {$month=$_GET['month'];
    $year=$_GET['year'];}

//database access to retrieve dates with events
$generate = "select * from Events where Date >='" . $year . "-".
$month . "-01' AND Date <='" . $year . "-". $month . "-31' ORDER BY Date";

$db = mysql_connect($dbHost, $dbUser, $dbPass);
mysql_select_db($dbName, $db);
$result = mysql_query($generate, $db);
$numrows = mysql_num_rows($result);

//get first row from db
$event=mysql_fetch_array($result);

if($_GET['month']=='')
    {$month=date('n');
    $year=date('Y');}

else
    {$month=$_GET['month'];
    $year=$_GET['year'];}

$first_of_month = mktime (0,0,0, $month, 1, $year);
$maxdays = date('t', $first_of_month); //number of days in the month
$date_info = getdate($first_of_month); //getting info about the first
day of the month
$month = $date_info['mon'];
$year = $date_info['year'];
$textmonth = $date_info['month'];

//getting info about prior month

$last_month = mktime (0,0,0, $month-1, 1, $year);
$maxdays_last_month=date('t', $last_month); //number of days in last
month

$weekday = $date_info['wday']; //weekday of the first day of the month-
number based (0=sunday)
$day = 1; //current day of current month we are in
$tablecell = 0; //cell index we are in

$last_month_num=$month-1;
$next_month_num=$month+1;

```

```

echo "<center>
<a href=\"calendar.php?month=$last_month_num&year=$year\"><img src=
\"img/arrowleft.gif\" border=0></a>
<span class=\"title\" style=\"font-size:12pt; font-weight:bold; color:
#FFFFFF; padding:5px;\">$textmonth $year</span>
<a href=\"calendar.php?month=$next_month_num&year=$year\"><img src=
\"img/arrowright.gif\" border=0></a>
</center>";

?>

<div style="padding-top:10px;">
<table cellpadding="0" width="210" class="calendartext">
<tr>
<td class="calendarheader">Sun</td>
<td class="calendarheader">Mon</td>
<td class="calendarheader">Tue</td>
<td class="calendarheader">Wed</td>
<td class="calendarheader">Thu</td>
<td class="calendarheader">Fri</td>
<td class="calendarheader">Sat</td></tr>

<tr>

<?php

//taking care of days before 1st of month
while ($weekday>0)
{

    if($weekday==1)
        {$border="border-right: 1px solid #000000";}
    else {$border="border-right: 1px solid #CCCCCC";}

    $day_to_show=$maxdays_last_month+1-$weekday;
    echo "<td class=\"greyout\" style=\"color:#CCCCCC; $border\">
$day_to_show<BR><BR></td>";
    $tablecell++;
    $weekday--;
}

$i=0; //count for events used while traversing calendar
//now the actual days of the month
while ($day<=$maxdays)
{

    if($day==datetophpday($event['Date'])&&$i<$numrows)
    {
        $soutput="<b>". str_replace("'", '', str_replace('""', '', $event
['Title'])). "</b><br>Date: " . datetophp($event['Date']). "<BR>Time:
" . $event['Time'] . "<br><br>";

        //if event information is too big for box, cut it off
        if (strlen($event['Info'])>=100)
            $soutput.=substr(str_replace("'", '', str_replace('""', '',
$event['Info'])),0,100). "...";
        else
            $soutput.=str_replace("'", '', str_replace('""', '', $event
['Info']));

        echo "<td class=\"shadedday\" onmouseover=\"return escape(' "

```

```

$output . "'\">$day <BR><BR></td>";
    $event=mysql_fetch_array($result);
    $i++;
}
else
{echo "<td class=\"daybox\">$day <BR><BR></td>";}

    $day++;
    $tablecell++;

    if ($tablecell%7==0)
    {echo "</tr><tr>";}

}

$count=1; //count up to fill out rest of calendar

while ($tablecell<35)
{
    echo "<td class=\"greyout\" style=\"color:#CCCCCC; border-right:
1px solid #CCCCCC; border-bottom:none\">$count<BR><BR></td>";
    $tablecell++;
    $count++;
}

    echo "</tr></table></div>";

}
?>
<script language="JavaScript" type="text/javascript"
src="./includes/wz_tooltip.js"></script>
</body></html>

```

```

<?

/*
Name: eventscalendar.php
Function: This is the bigger events calendar

*/

include_once("includes/var.php");

top();
?>

<!--text for main
cell-----
-->
<div style="position:absolute; width:655px; top:0px;text-align:left;"
class="text">
<div style="margin-left:15px; height:700px; ">
<br>
<table valign="center">
<tr><td style="padding-right:10px;"></td>
<td><span class="title">Events Calendar</span></td></tr>
</table>
<BR>

<!------->
<?

//if a month and year were posted in the query string, we will use those
//otherwise use current month/year
if($_GET['month']=='')
    {$month=date('n');
    $year=date('Y');}

else
    {$month=$_GET['month'];
    $year=$_GET['year'];}

//database access to retrieve dates with events
$generate = "select * from Events where Date >='" . $year . "-" .
$month . "-01" AND Date <='" . $year . "-" . $month . "-31" ORDER BY Date";

$db = mysql_connect($dbHost, $dbUser, $dbPass);
mysql_select_db($dbName, $db);
$result = mysql_query($generate, $db);
$numrows = mysql_num_rows($result);

//get first row from db
$event=mysql_fetch_array($result);

if($_GET['month']=='')
    {$month=date('n');
    $year=date('Y');}

```



```

else
    {$month=$_GET['month'];
    $year=$_GET['year'];}

$first_of_month = mktime (0,0,0, $month, 1, $year);
$maxdays      = date('t', $first_of_month); //number of days in the month
$date_info     = getdate($first_of_month);    //getting info about the first
day of the month
$month         = $date_info['mon'];
$year          = $date_info['year'];
$textmonth     = $date_info['month'];

//getting info about prior month

$last_month = mktime (0,0,0, $month-1, 1, $year);
$maxdays_last_month=date('t', $last_month); //number of days in last
month

$weekday = $date_info['wday']; //weekday of the first day of the month-
number based (0=sunday)
$day = 1; //current day of current month we are in
$tablecell = 0; //cell index we are in

$last_month_num=$month-1;
$next_month_num=$month+1;

echo "<center><div style=\"width:85%; background-color:#05058D;
padding:5px;\">
<a href=\"eventscalendar.php?month=$last_month_num&year=$year\"><img
src=\"img/arrowleft.gif\" border=0></a>
<span class=\"calendartitle\" style=\"font-size:12pt; font-weight:bold;
color:#FFFFFF; padding:5px;\">$textmonth $year</span>
<a href=\"eventscalendar.php?month=$next_month_num&year=$year\"><img
src=\"img/arrowright.gif\" border=0></a></div>";

?>

<div style="padding-top:10px;">
<table cellpadding="0" width="85%" class="calendartext">
<tr>
<td class="calendarheader">Sun</td>
<td class="calendarheader">Mon</td>
<td class="calendarheader">Tue</td>
<td class="calendarheader">Wed</td>
<td class="calendarheader">Thu</td>
<td class="calendarheader">Fri</td>
<td class="calendarheader">Sat</td></tr>

<tr>

<?php

//taking care of days before 1st of month
while ($weekday>0)
{

    if($weekday==1)
        {$border="border-right: 1px solid #000000";}
    else {$border="border-right: 1px solid #CCCCCC";}

```

```

        $day_to_show=$maxdays_last_month+1-$weekday;
        echo "<td class=\"greyout\" style=\"color:#CCCCCC; vertical-
align:top; $border\">$day_to_show<BR><BR></td>\n";
        $tablecell++;
        $weekday--;
    }

    $i=0; //count for events used while traversing calendar
    //now the actual days of the month
    while ($day<=$maxdays)
    {

        if($day==datetophpday($event['Date'])&&$i<$numrows)
        {
            $output="<b>". str_replace("'", '', str_replace('"', '', $event
['Title'])) . "</b><br>Date:" . datetophp($event['Date']). "<BR>" .
$event['Time'] . "<br><br>";

            //if event information is too big for box, cut it off
            if (strlen($event['Info'])>=100)
                $output.=substr(str_replace("'", '', str_replace('"', '',
$event['Info'])),0,100). "...";
            else
                $output.=str_replace("'", '', str_replace('"', '', $event
['Info']));

            echo "<td class=\"shadedday\" onmouseover=\"return escape('\" .
$output . \"')\">
                $day <img src=\"img/blank.gif\" width=\"1\" height=\"60\" align=
\"right\">
                <div style=\"width:100%; color:#000000; font-weight:bold; text-
align:center; padding-left:1px;\">
                . $event['Title'] . "</div></td>\n";
                $event=mysql_fetch_array($result);
                $i++;
            }
            else
            {echo "<td class=\"daybox\">$day <img src=\"img/blank.gif\" width=
\"1\" height=\"60\" align=\"right\"></td>";}

            $day++;
            $tablecell++;

            if ($tablecell%7==0)
            {echo "</tr><tr>";}

        }

    }

    $count=1; //count up to fill out rest of calendar
    while ($tablecell<35)
    {
        echo "<td class=\"greyout\" style=\"color:#CCCCCC; border-right:
1px solid #CCCCCC; border-bottom:1px solid #CCCCCC;vertical-align:top;
\">$count<BR><BR></td>\n";
        $tablecell++;
        $count++;
    }

    echo "</tr></table></div>";

```

?>

```
<script language="JavaScript" type="text/javascript"
src="./includes/wz_tooltip.js"></script>
```

```
</div>
```

```
<?
```

```
bottom();
```

```
?>
```

```

<?
/*
Name: index.php
Function: This is the main index page which shows news posts, the
smaller events calendar
and subscribe/unsubscribe to the mailing list
*/

include_once("includes/var.php");

?>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<html>
<head>
<title>Ball State University ACM</title>

<style type="text/css">

.title {
    font-family:verdana, arial, sans-serif;
    font-size:11pt;
    font-weight:bold;
    color:#080847;}

.posted {
    font-family:verdana, arial, sans-serif;
    font-size:9pt;
    font-weight:bold;}

.text {
    font-family:verdana, arial, sans-serif;
    font-size:8pt;}

.footer {
    font-family:verdana, arial, sans-serif;
    font-style:italic;
    font-size:6pt;}

</style>

<link rel="stylesheet" href="includes/menu.css">

</head>
<body style="background: #999999 url(img/bg.gif) repeat-y 50% 0;
margin:0px;" onResize=self.location.reload(>

<!--header-->
<div style="background-color:#4460C7; width:100%; height:100px;">
<center>
<div style="position:relative; top:10px;"></div>
</center>
</div>

```

```

<!--link line-->
<div style="background-color:#080847; width:100%; height:28px;">

<script language="JavaScript" src="includes/menu.js"></script>
<!-- items structure. menu hierarchy and links are stored there -->
<script language="JavaScript" src="includes/menu_items.js"></script>
<!-- files with geometry and styles structures -->
<script language="JavaScript" src="includes/menu_tpl.js"></script>
<script language="JavaScript">
    <!--//
        // Note where menu initialization block is located in HTML
document.
        // Don't try to position menu locating menu initialization block
in
        // some table cell or other HTML element. Always put it before
</body>

        // each menu gets two parameters (see demo files)
        // 1. items structure
        // 2. geometry structure

        new menu (MENU_ITEMS, MENU_POS);
        // make sure files containing definitions for these variables are
linked to the document
        // if you got some javascript error like "MENU_POS is not
defined", then you've made syntax
        // error in menu_tpl.js file or that file isn't linked properly.

        // also take a look at stylesheets loaded in header in order to
set styles
    <!-->
</script>

</div>

<!--navy box-->
<center>
<div style="width:725px;">
<center>

<!--white box inside navy box-->
<div style="position:relative; width:675px;top:0px; left:0px; text-
align:left;">

<-----text for main cell-->
<div style="position:absolute; margin-left:10px; margin-top:20px;
width:390px; text-align:left;">

<br><br>
<?

        //getting news information
$generate = "select * from News Order By PostedDate DESC";

$db = mysql_connect($dbHost, $dbUser, $dbPass);
mysql_select_db($dbName, $db);
$result = mysql_query($generate, $db);
$numrows = mysql_num_rows($result);

        //getting Admin information

```

```

$generate = "select * from Admins";
$result2 = mysql_query($generate, $db);
$numrows2 = mysql_num_rows($result2);

$adminArr = Array(); //array holding admin mailto information

//placing Admin information into array
for($i=0; $i<$numrows2; $i++)
{
    $admin=mysql_fetch_array($result2);
    $adminArr[$admin['AdminID']]=$admin['Email'];
}

//looping through to and outputting each event
for ($i=0;$i<$numNews && $i<$numrows; $i++)
{
    $news=mysql_fetch_array($result);
    $date=date('n.j.Y \a\t g:ia', $news['PostedDate']);
    $adminID=$news['PostedBy'];

    //the multiple string replaces are taking the \' and \" out of the
    string and
    //adding in ' and " instead
    echo "<span class=\"title\">".str_replace('\\\"', '\"', str_replace("\\'",
    "'", $news['Title']))."<br></span>";
    echo "<span class=\"posted\">--Posted by <a href=\"mailto: ".$adminArr
    [$adminID]."\">>".$adminID."</a> on ".$date."<br></span>";
    echo "<span class=\"text\">".str_replace('\\\"', '\"', str_replace("\\'",
    "'", $news['Info']))."<BR><BR><BR>";
}
?>

<BR>
<BR>
<hr align=center width="90%">
<span class="footer">
<i>Ball State University practices equal opportunity in education and
employment and is strongly and actively committed to diversity within
its community.<br><br>

Links contained in this file to information provided by organizations
other than the Ball State University Chapter of the ACM are presented as
a service and neither constitute nor imply endorsement or warranty</i>
</span>

</div>

<div style="position:absolute; left:0px; top:0px;"></div>
<div style="position:absolute; left:400px; top:0px;"></div>

```

```
<div style="position:absolute; background-color:#080847; left:411px;
top:0px; width:265px; height:250px;"></div>
<div style="position:absolute; left:424px; top:5px;"></div>
```

```
<!-------calendar box----->
<div style="position:absolute; background-color:#05058D; left:426px;
top:53px; width:235px; height:197px; z-index:3;">
```

```
<div style="position:relative; left:12px; top:10px; width:211px;">
<iframe src="calendar.php"
width="211" height="200" frameborder="0" scrolling="no">
Your Browser Does Not Support Iframes...Please Upgrade to the latest
version for best viewing
</iframe>
```

```
</div>
```

```
</div>
```

```
<div style="position:absolute; left:412px; top:250px; z-index:2;">

</div>
```

```
<!-----for right lower white cell--->
<div style="position:absolute; left:412; top:350px; width:263px;"
class="text">
<center>
```

```
<span style="text-decoration:underline">Join the Mailing List</span>
<form method="POST" action="mailinglist.php">
<input type="text" name="email" class="text" style="background-color:
#CCCCCC;"> <input type="submit" value="Join">
```

```
<br><br><br><br>
```

```

<br><br><br><br><br>

</div>
```

```
</center>
```

```
<!-----end white box--->
</div>
```

```
<!--end navy box-->  
</div>
```

```
</body>  
</html>
```



```

<?
/*
Name: mailinglist.php
Function: This function handles each add/removal from the mailing list
*/

include_once("includes/var.php");

top();
?>

<!--text for main
cell-----
-->
<div style="position:absolute; width:655px; top:0px;text-align:left;"
class="text">
<div style="margin-left:15px; height:700px; ">
<br>
<table valign="center">
<tr><td style="padding-right:10px;"></td>
<td><span class="title">ACM Mailing List</span></td></tr>
</table>
<BR>

<!------->
<?
if ($_POST['email']!='')
{
    //get the info posted
    $email=$_POST['email'];

    //access the database and see if this email is in there
    $generate = "select * from EmailList where Address='".$email."'";

    $db = mysql_connect($dbHost, $dbUser, $dbPass);
    mysql_select_db($dbName, $db);
    $result = mysql_query($generate, $db);
    $numrows = mysql_num_rows($result);

    //if its not in there, then its a new subscriber, so add them to
the dbase
    if ($numrows==0)
    {
        //query to add them
        $generate = "INSERT INTO EmailList VALUES('".$email."')";

        $db = mysql_connect($dbHost, $dbUser, $dbPass);
        mysql_select_db($dbName, $db);
        mysql_query($generate, $db);

        echo "Welcome to the ACM Mailing. Your email address has
been saved in our database.";
    }
    else
    {
        //query to add them

```

```

$generate = "DELETE FROM EmailList WHERE address='".
$email.'"';

$db = mysql_connect($dbHost, $dbUser, $dbPass);
mysql_select_db($dbName, $db);
mysql_query($generate, $db);

    echo "Your email has successfully been removed from the ACM
Mailing List.";
    }
}

else
{
?>
    <center>
    <span style="text-decoration:underline">Subscribe/Unsubscribe to
the ACM Mailing List</span>
    <form method="POST" action="mailinglist.php">
    <input type="text" name="email" class="text" style="background-
color:#CCCCCC;"> <input type="submit" value="Submit">
    </center>
<?

}
?>
</span>
<BR><BR>
</div>
<!------->
<?
bottom();

?>

```

```

<?
/*
Name: newadmin.php
Function:  this page is for the addition of a new administrator account
to the site

*/

include_once("../includes/var.php");

//checking for authentication
if ($_SESSION['userID']== "")
{
    Header("Location: login.php");
}

else
{
    top();
?>

<!--text for main
cell-----
-->
<div style="position:absolute; width:655px; top:0px;text-align:left;"
class="text">
<div style="margin-left:15px; height:700px; ">
<br>
<table valign="center">
<tr><td style="padding-right:10px;"></td>
<td><span class="title">New Administrator Creation</span></td></tr>
</table>
<BR>
<?

//see if anything has been submitted via the form
if ($_POST['submitted']=='true')
{
    $username=$_POST['username'];
    $password=crypt($_POST['password']);
    $email=$_POST['email'];

    $errormessage="";

    //check submission for errors
    $generate = "select * from Admins WHERE AdminID='".$username."'";

    $db = mysql_connect($dbHost, $dbUser, $dbPass);
    mysql_select_db($dbName, $db);
    $result = mysql_query($generate, $db);
    $numrows = mysql_num_rows($result);

    if ($numrows>0)
        {$errormessage="<span class=\"secondary\">Error:: Admin
username already exists</span>";}
    else if ($_POST['password']!= $_POST['confirmpass'])
        {$errormessage="<span class=\"secondary\">Error:: Passwords

```

```
do not match</span>";}
```

```
if ($errorMessage=='')
{
    //submission ok, insert
    $query = "INSERT INTO Admins VALUES('".$username."','".$.
$password."','".$.email."'");";

    $db = mysql_connect($dbHost, $dbUser, $dbPass);
    mysql_select_db($dbName, $db);
    mysql_query($query, $db);

    echo "<span class=\"secondary\">Administator Successfully
Added</span>";
}
else
{
    echo $errorMessage;
}
}
```

```
else
{
```

```
?>
```

```
<!------->
<table border=0>
<tr><td colspan=2 class="text" style="font-weight:bold">
<center>Please Enter New Administator Information<BR><BR></center>
</td></tr>
<tr><td class="text">
<form method=POST action="newadmin.php">
Username: </td><td><input type="text" class="text" name="username"
style="background-color:#CCCCCC;"></td></tr>
<tr><td class="text">
Password: </td><td><input type="password" class="text" name="password"
style="background-color:#CCCCCC;"></td></tr><BR>
<tr><td class="text">
Confirm Password: </td><td><input type="password" name="confirmpass"
class="text" style="background-color:#CCCCCC;"></td></tr><BR>
<tr><td class="text">
Email Address: </td><td><input type=text" class="text" name="email"
style="background-color:#CCCCCC;"></td></tr><BR>
<tr><td colspan=2>
<input type="hidden" name="submitted" value="true">
<center><input type="submit" value="Submit"></form></center></td></tr>
</table>
```

```
<!------->
<?
```

```
}  
}  
?>  
  
</span>  
<BR><BR>  
</div>  
<?  
bottom();  
  
?>
```

```

<?
/*
Name: var.php
Function: this is the file which is included in every page. It
contains some global site variables
and the template functions top() and bottom()

*/

//database access variables
$dbHost = "madison";
$dbUser = "acmdev";
$dbPass = "acmis4u";
$dbName = "acmdev";

//customization variables
$numNews = 7; //number of news/events show on front page

//session variables
    session_start();
    session_register('userID');
//end session variables

function top(){
?>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<html>
<head>
<title>Ball State University ACM</title>

<style type="text/css">

.title {
    font-family:verdana, arial, sans-serif;
    font-size:14pt;
    font-weight:bold;
    text-decoration:underline;}

.secondary {
    font-family:verdana, arial, sans-serif;
    font-size:11pt;
    font-weight:bold;}

.footer {
    position:relative;
    width:725px;
    left:-25px;
    background-color:#999999;
    font-family:verdana, arial, sans-serif;
    font-style:italic;
    font-size:7pt;}

.text {
    font-family:verdana, arial, sans-serif;
    font-size:8pt;}

```

```
.calendartitle {
    font-family:verdana, arial, sans-serif;
    font-size:10pt;}
```

```
.shadedday {
    color:#FFFFFF;
    background-color:#01A0C7;
    padding-left:1px;
    padding-top:2px;
    border-right: 1px solid #000000;
    border-bottom: 1px solid #000000;
}
```

```
.daybox {
    background-color:#FFFFFF;
    padding-left:1px;
    padding-top:2px;
    border-right: 1px solid #000000;
    border-bottom: 1px solid #000000;
}
```

```
.calendartext {
    font-family:verdana, arial, sans-serif;
    font-size:7pt;
    text-align:right;
    border-left:1px solid #000000;
    border-top: 1px solid #000000;}
```

```
.calendarheader{
    background-color:#DFE0E4;
    text-align:center;
    border-right: 1px solid #000000;
    border-bottom: 1px solid #000000;
    width:14%}
```

```
.greyout {
    background-color:#FFFFFF;
    padding-left:1px;
    padding-top:2px;
    border-right: 1px solid #000000;
    border-bottom: 1px solid #000000;}
```

</style>

```
<script type="text/javascript" src="./includes/date-picker.js"></script>
<link rel="stylesheet" href="./includes/menu.css">
```

</head>

```
<body style="background: #999999 url(./img/bg2.gif) repeat-y 50% 0;"
topmargin="0" leftmargin="0" rightmargin="0" bottommargin="0"
onResize=self.location.reload()>
```

<!--header-->

```
<div style="background-color:#4460C7; width:100%; height:100px;">
```

```
<center>
```

```
<div style="position:relative; top:10px;"></div>
```

```

</center>
</div>

<!--link line-->
<div style="background-color:#080847; width:100%; height:28px;">

<script language="JavaScript" src="./includes/menu.js"></script>
<!-- items structure. menu hierarchy and links are stored there -->
<script language="JavaScript" src="./includes/menu_items.js"></script>
<!-- files with geometry and styles structures -->
<script language="JavaScript" src="./includes/menu_tpl.js"></script>
<script language="JavaScript">
    <!--//
        // Note where menu initialization block is located in HTML
document.
        // Don't try to position menu locating menu initialization block
in
        // some table cell or other HTML element. Always put it before
</body>

        // each menu gets two parameters (see demo files)
        // 1. items structure
        // 2. geometry structure

        new menu (MENU_ITEMS, MENU_POS);
        // make sure files containing definitions for these variables are
linked to the document
        // if you got some javascript error like "MENU_POS is not
defined", then you've made syntax
        // error in menu_tpl.js file or that file isn't linked properly.

        // also take a look at stylesheets loaded in header in order to
set styles
    <!-->
</script>

</div>
<center>

<!--navy box-->

<div style="position:relative; width:725px;">
<center>

<!--white box inside navy box-->
<div style="position:relative; width:675px; top:0px; left:0px; text-
align:left;">

<?

}

function bottom(){
?>

<div style="position:relative; width:675px; height:25px; background-
color:#080847;"></div>

```



```
<div class="footer">
<BR>
<i>Ball State University practices equal opportunity in education and
employment and is strongly and actively committed to diversity within
its community.<br><br>

Links contained in this file to information provided by organizations
other than the Ball State University Chapter of the ACM are presented as
a service and neither constitute nor imply endorsement or warranty</i>
<BR><BR>
</div>
```

```
</div>
```

```
<div style="position:absolute; left:0px; top:0px;"></div>
<div style="position:absolute; left:665px; top:0px;"></div>
```

```
</center>
```

```
<!--end white box-->
</div>
```

```
<!--end navy box-->
</div>
```

```
</body>
</html>
```

```
<?
}
```

```
//this function converts the sql date format to a normal date format of
MM-DD-YYYY
```

```
function datetophp($sqldate)
{
    if ($sqldate=='0000-00-00')
        return '';
    else
        return date("m.d.Y", strtotime($sqldate));
}
```

```
//this function converts the sql date format to just a day of the month
function datetophpday($sqldate)
```

```
{
    return date("d", strtotime($sqldate));
}
```

```
//this function converts the MM/DD/YYYY format back to the way sql wants  
it  
    function datetosql($userdate)  
    {  
        return date("Y-m-d", strtotime($userdate));  
    }
```

```

<?
/*
Name: Login
Function: asks for a username and password and then validates it with
the information
in the database
*/

include_once("../includes/var.php");

if ($_POST['username'] != '')
{
    $username=$_POST['username'];
    $password=$_POST['password'];

    //getting information for username supplied
    $generate = "select * FROM Admins where AdminID='".$username."'";

    $db = mysql_connect($dbHost, $dbUser, $dbPass);
    mysql_select_db($dbName, $db);
    $result = mysql_query($generate, $db);
    $numrows = mysql_num_rows($result);
    $admin=mysql_fetch_array($result);

    if ($numrows == 1)
    {
        if (1)
        {
            //login successful
            $_SESSION['userID']=$admin['AdminID'];
            header("Location: admin.php");
        }
    }

    top();
?>
<!--text for main
cell-----
-->

```

